

# Applied Roofing Services



**COMMERCIAL ROOFING SERVICES**



**ARS**

## Applied Roofing Services

**"We Protect Your INVESTMENT"**

- Roof consulting - detailed roof inspection reports
- Repairs, routine maintenance, drain scoping
- Maintenance specifications 3-5 years warranties
- Coating systems: acrylic, silicone, urethane
- Modified emulsion systems: 10, 15, 20, 25 years warranties
- Single ply **PVC** roofing
- **POLY-FOAM** spray applied roofing systems
- Skylight & roof hatch installation
- Shingles, tile, metal roofing
- New drain, scupper installation
- Commercial, industrial, retail, residential, new construction, retrofit



**NO LEAK WARRANTY**





**BEFORE**



**AFTER**

## Add Decades to Roof Life in Days



Roofs have it hard. On an 89° day, a typical black roof can experience a 100° variation from 175° at the hottest peak to 75° ambient temperature at night. This constant temperature fluctuation and UV exposure can create tremendous strain over time. Most commonly, roofs fail where dissimilar materials meet at penetrations, seams and edges. Minor structural issues can cause additional challenges such as poor drainage and ponding water.

For over 50 years, professionals have trusted silicone to deliver durable, long-lasting building solutions. The silicone roof coating system is a fast, efficient and economical alternative to replacement. Based on silicone technology, the silicone system is backed by world-class technical support and a 10-, 15- or 20-year warranty.

### Restore with Silicone

A seamless, stable and energy-efficient coating can dramatically extend roof life expectancy, delaying the need for a costly, time-consuming replacement project.

Silicone is inherently durable and permanently flexible. Unlike acrylic, polyolefin, asphaltic and carbon-based polymer chains, silicone is completely UV stable, providing the maximum long-term performance against weather and atmospheric conditions. The entire silicone roof coating system is made from the same 100% silicone, allowing it to expand and contract at the same rate, helping prevent leaks that may result in mold, mildew, wood rot and rust. A white silicone coating also reflects the sun's rays to better control inside temperatures.



**100% TAX DEDUCTIBLE IN THE FIRST YEAR**



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## Silicone Roofing System Steps

### 1) Silicone Seam Sealant

Low-VOC 100% silicone, single-component liquid sealant for joints, seams, gaps and splices, offering long-term performance in sealing out water and withstanding weather and atmospheric conditions without degradation.

### 2) Silicone Reinforcing Fabric (Edges and damaged areas as needed)

This flexible, easy-to-use reinforcing fabric embedded between layers of sealant or coating is acceptable for sealing virtually all seams, curbs and penetrations.

### 3) Silicone Roof Coating

High-solids, low-VOC, 100% silicone liquid coating applied in a single coat. While a primer is not required, an asphalt bleed-blocking base coat can promote energy savings. Standard colors white, tan, medium gray and dark gray. Custom colors may be requested.

## Benefit Now and Later

#### • Time and labor savings

With no primer required on coated and uncoated roofing membranes, this system can offer significant cost savings associated with labor, primer and time delays.

#### • Full compatibility

Can be applied to most existing roof types including asphaltics (BUR and Mod Bit), single-ply (TPO, PVC, EPDM), SPF foam, concrete and metal.

#### • Cold weather application

Silicone coating can be rolled or sprayed in temperatures as low as 0° F without freezing, helping to extend the roofing season and avoid project delays.



## Restore with Confidence

Silicone remains stable, flexible and virtually unaffected by daily and seasonal temperature extremes. It will not become brittle or harden as the system ages. The silicone system provides exceptional, long-term performance.

#### • Ponding water

While acrylic coatings tend to fail at the seams, penetrations and edges, especially where water ponds, silicone coatings stand up to ponding water.

#### • Life cycle cost

Primerless, single-coat application brings efficiency and cost savings to the installation process. Longterm durability promotes a lower total life cycle cost.

#### • Energy savings

Energy savings versus a black roof can be as great as 35% on summer cooling costs. Silicone coatings offer excellent color retention and reflectivity with a silicone polymer that is UV stable.

#### • Full compatibility

Using only 100% silicone components that are chemically and adhesively compatible, silicone helps prevent water leakage, mold/mildew, wood rot and metal rust.

#### • Best-in-class elongation

By remaining flexible with daily and seasonal temperatures throughout the life of the building, this system offers best-in-class elongation, both initially and after decades of exposure.



# POLY FOAM ROOFING

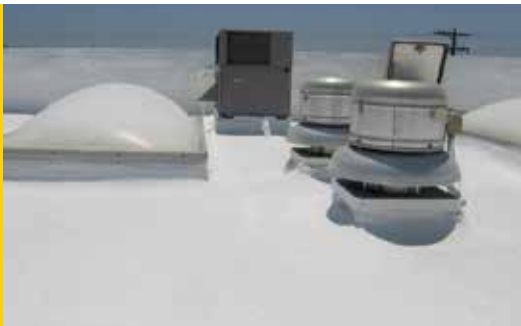
**Polyurethane foam is especially well suited for complex roofs**

**IT'S VERSATILE!**



**It stops leaks and is weather resistant**

**It eliminates large ponding water**



**It reduces building movement**



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# POLY FOAM ROOFING

## What is Poly Foam?

Polyurethane foam is produced by a chemical reaction of a polyol and isocyanate in the presence of catalysts and other additives. The result is a rigid plastic that expands at a 50:1 ratio and is fully cured in approximately five minutes becoming a seamless layer of closed cell foam.

## Advantages:

### IT'S VERSATILE!

Polyurethane foam can be applied to surfaces with irregular shapes and penetrations.

**Applications include:** tanks, domes, vertical walls, ceilings, bowed trusses, cold storage rooms, flotation devices and even inside boats. The 2.8 density roofing foam has a compression strength of over 65 lbs psi. So YES, you can walk on it, run on it, jump on it, you could even park a truck on it. Foam is also very light weight. Coming in at just 13oz per sq. ft. Foam can almost always be applied over existing roof surfaces. Negating the need and expense of TEAR OFF. The foam system is also spray applied so it has no laps, seams, joints or fasteners. Which are all conduits for leaks, either energy out! Or water in! Since the Foam system is spray applied it is considered a waterproofing system and not a re-roof. The system can be expensed 100% TAX DEDUCTIBLE in the first year as a repair.

### IT STOPS LEAKS AND IS WEATHER RESISTANT

The polyurethane foam IS the moisture barrier not the coating. The coating is applied to the foam for three reasons: To aid in solar reflectivity, to protect the foam from the degradation caused by the suns UV rays and to provide a heavy duty traffic surface THAT'S IT !!!!!

### IT ELIMINATES LARGE PONDING WATER

In areas where large amounts of water collect or "PONDING AREAS" occurs, the foam will be built up in those areas to disperse the ponding water and aid in proper drainage. This would almost be impossible for traditional roofing systems without adding board stock, which adds weight and requires fasteners!!!!

### IT REDUCES BUILDING MOVEMENT

Because foam is an insulating material as well as a waterproofing (R-6.8 per one inch insulation value). While insulating your building from the elements, it also eliminates the dramatic expansion and contraction that is associated with most traditional asphalt roofing systems. This is due to extreme heat absorption. The movement causes cracks, buckles and blisters in the asphalt roofs. This is why traditional roofs fail at seams, penetrations and walls. The Foam System not only provides insulation inherently but it also reflects up to 96% of the suns UV rays due to the tough elastomeric coating applied on top. Almost eliminating heat absorption all together, and eliminating building movement.

## ***SPRAY APPLIED POLYURETHANE FOAM***

***Polyurethane foam is self-flashing on penetrations and walls***



# ROOF RECONDITIONING SYSTEMS

**Clean, prep  
& details**



**Install  
reinforced  
membrane**



**Acrylic  
surface**



**Finished  
system**



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## Our client list:

Our Fluid Applied Reinforced Roofing systems have been used on projects throughout California, the Pacific Rim and the Western U.S. for more than 30 years. The following is an abbreviated list of some Western Colloid customers and projects:

- **The Irvine Company**
- **CB Richard Ellis**
- **Watson Land Company**
- **Arden Realty**
- **Prologis**
- **Ikea**
- **Wells Fargo Bank**
- **Bank of America**
- **City National Bank**
- **Cox Communications**
- **The State of Hawaii**
- **Boeing Facility** - Long Beach, CA (over 1,000,000 sqft.)
- **Seagate Manufacturing Facility** - Computer Disk Drive Division. Fremont, CA.
- **Vons Markets** - More than 150 Vons Markets in California, many over 18 years old.
- **Ralph's Markets / Food 4 Less** - Southern California Distribution Center, Vernon, CA.
- **Paramount Studios** - Various buildings including the Paramount Film Archive Building. Los Angeles, CA.
- **1901 Avenue of the Stars** - 22 story high rise building. Over existing gravel & coal tar pitch roof. Los Angeles, CA.
- **Home Depot Stores** - Various stores throughout California.
- **Lockheed Martin / Missiles & Space** - Various buildings at Sunnyvale facility including the Satellite Assembly Building, Sunnyvale, CA ( 2,000,000+ sqft.)
- **Vista Paints** - Manufacturing plant and storage facility. Also various stores throughout Los Angeles, Orange and San Diego Counties.
- **County of Santa Clara** - More than 20 buildings including the County Court House and the supervisors chambers.
- **Fleischmann Planetarium** (Nevada State Landmark Building). University of Nevada, Reno Campus, Reno, Nevada.
- **U.S. Army Supply Depot** - Sacramento, CA (950,000 sqft.) Over 20 years old.
- **Westfield Shoppingtown** - Westfield Shopping Centers in San Jose, Arcadia and various other locations in California.
- **Randall Farms** - Distribution Facility, Commerce, CA. Original gravel roof installed in ~1959. Western Colloid's Fluid Applied Reinforced Roof installed over original roof in 1977. Resurfaced in 1999. 180,000 sqft.
- **Trammell Crow Properties** - Properties in California, Nevada, Oregon and Washington including the headquarters building in Washington. Over 5,000,000 sqft.



# SINGLE PLY PVC ROOFING

## The Duro-Last Single-Ply Roof Membrane



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# SINGLE PLY PVC ROOFING

## Prefabricated Duro-Last Roofing Systems:

Duro-Last has been the industry leader in producing custom-fabricated single-ply roofing systems, designing each roof to fit building specifications exactly, and manufacturing it under controlled factory conditions. For building owners and managers, Duro-Last's custom fabrication of single-ply roofing systems offers several advantages:

- Studies of roof failures show that most problems occur because of installation errors, particularly at changes in plane on the roof, such as projections, curbs, drains, perimeters and abutting walls. Duro-Last prefabrication eliminates up to 85% of on-site, rooftop membrane seaming, greatly reducing the likelihood of installation errors and leak problems in the future.
- Prefabricated roofing systems are easier to install throughout the year, even during adverse weather conditions. Installation time is reduced so the contractor can get on and off the job quickly. The relatively small amount of roof membrane seaming done in the field is completed with hot-air welding methods, which are virtually unaffected by cold or damp weather conditions.
- Single-ply roofing prefabrication dramatically reduces waste, both during the manufacturing process and installation. The roofing contractor orders the exact amount of roof membrane necessary for roof coverage, rather than a collection of raw materials.
- Prefabrication also appeals to engineers and architects who would like to address a particular structural or aesthetic design problem. Panel sizes, shapes and colors can be pre-planned and prefabricated to achieve desired visual results.
- Finally, prefabrication allows the roofing contractor to take control of a construction operation in a highly unstable environment. Roofing contractors must plan their roofing projects carefully, and are rewarded with greater worker productivity, a higher-quality installation and more satisfied customers.

In addition to being custom prefabricated, the Duro-Last single-ply roofing system is durable, energy-efficient, installed with no disruptions, code compliant and backed by the industry's best warranties. The Duro-Last roofing system is the best long-term investment you can make in your building.

***15 year no cost NDL on labor and materials***

***Covers consequential damages to interior on all Duro-Last Systems***





# ROOF INSPECTIONS & REPORTS REPAIRS & MAINTENANCE ROOF RESTORATION & COATING SYSTEMS

## BEFORE



## AFTER



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# ROOF INSPECTIONS & REPORTS REPAIRS & MAINTENANCE ROOF RESTORATION & COATING SYSTEMS

## Roof Inspection & Reports:

- Roof inspection reports and roof longevity
- Forecasts with maintenance
- Drain scoping
- Full service roofing contractor

## Repairs & Maintenance:

- Scheduled maintenance
- Routine maintenance
- Maintenance specifications  
(3-5 years available)

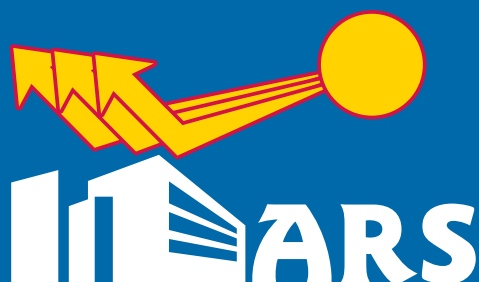
## Roof Restoration & Coating Systems:

- 2-10 year coating warranties
- Energy efficient
- Stops leaks
- Extends life of roof
- Reduces heat absorption
- Lowers inside temperature
- Acrylic and silicone coatings
- Coating specifications available





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3152 E. La Palma Ave. • Unit H  
Anaheim, California. 92806

800.895.9589 Office • 714.414.0388 Fax